

DeCo!

Decentralized Composting for Sustainable Farming

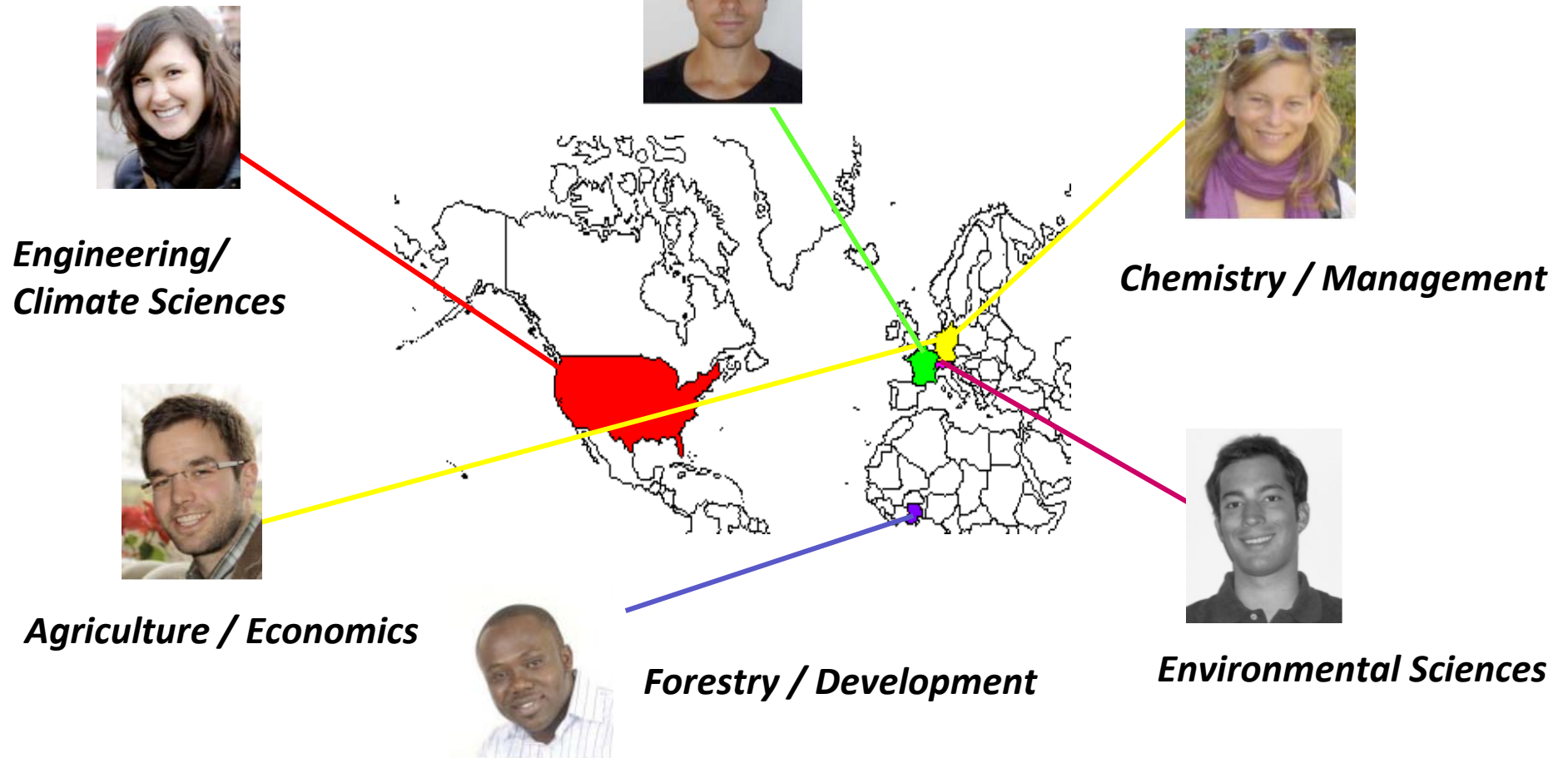


29 July 2010

Climate KIC Summer School 2010



Our Team





What does DeCo! do?



***Commercial Poultry
Producer***



Agricultural Processing



Local Farmer and Village People



DeCo!

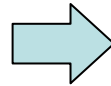




What value do we offer?



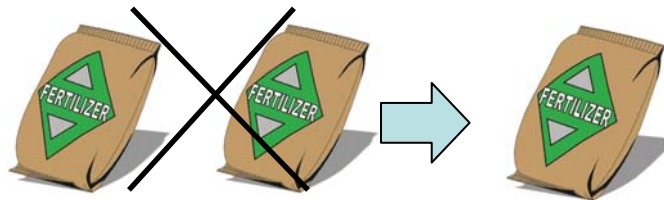
-> Off-Season Work



-> Managerial Positions

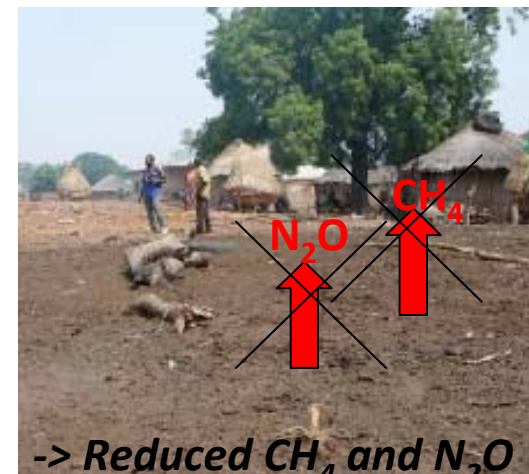


-> Higher crop yields



-> Reduced chemical fertilizer

Ready to use
organic fertilizer
for improved soil
fertility and
reduction of soil
degradation



-> Reduced CH_4 and N_2O
Emissions





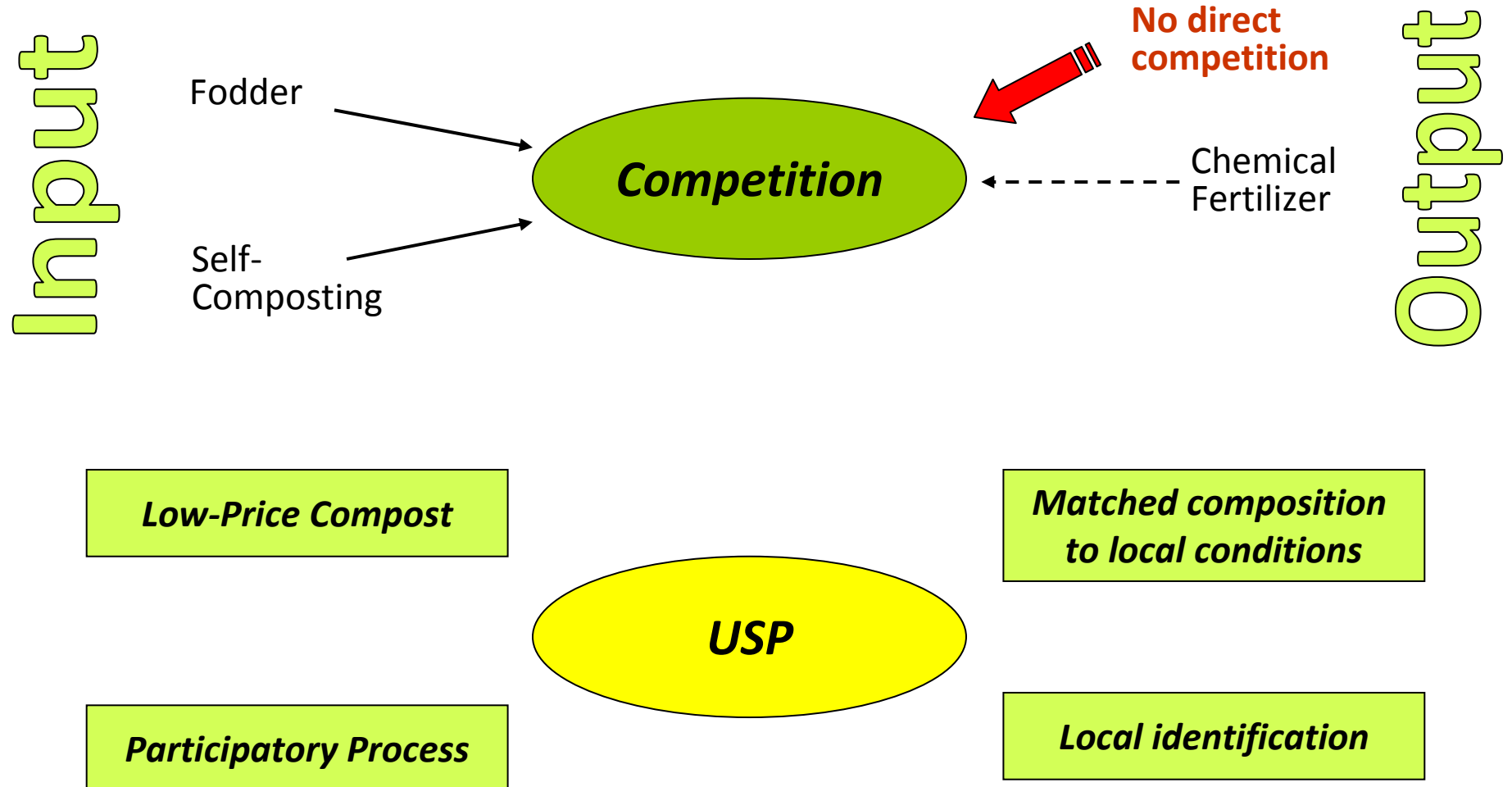
- 50% of the land area of Ghana
- Our Customers: **Small-holder farmers**
 - 80% of villagers are farmers
 - No current supply of organic fertilizer

1.2 million customers





Competitive Environment and USP





Critical Success Factors



Challenge

1) Knowledge about composting



2) Expensive Transport



3) Availability of local biomass



4) Awareness of need of organic fertilizer



Idea

Training and Education for employees and farmers

Decentralization

Incentification (Voucher system) + Education

Cooperation with local stakeholders (NGO's, MOFA,...)





Profitability and Financing (draft)



Cost components (in \$)	per t	per plant (800t)	per cluster (4,000 t)
Investment Costs:		11,900	49,500
Operational costs (incl. annuity):	21.3	18,039	85,060
Revenue:	25.0	20,000	100,000
Net Profit:	3.7	1,961	14,940

Return on Investment: 10.9 %

Possible Financial Resources:

- Support from Development Agencies (like GTZ, USAid)
- Seed or Start-Up Money





Questions?



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